GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA

UNSTARRED QUESTION NO:1786
ANSWERED ON:26.07.2017
New NPPs under Construction
Singh Deo Shri Kalikesh Narayan

Will the Minister of ATOMIC ENERGY be pleased to state:

(a)the details of the Nuclear Power Projects (NPPs) which are under construction, State-wise;

(b)the details of the NPPs that are likely to be implemented by 2022, State/ UT-wise; and

(c)the incentives proposed by the Government for manufacturers of components for these NPPs?

Answer

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (Dr. JITENDRA SINGH):

(a)Unit 2 of Kudankulam Nuclear Power Project (1000 MW capacity) came in to commercial operation since 31.03.2017 taking the total installed capacity of nuclear power in the country to 6780 MW.

Four reactors with a total capacity of 2800 MW are under construction and four more reactors with a total capacity of 3400 MW are also taken up for construction. Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI), a public sector company under Department of Atomic Energy (DAE) is constructing one 500 MW capacity Prototype Fast Breeder Reactor (PFBR) at Kalpakkam, Tamil Nadu. PFBR is expected to be operational in 2017. On progressive completion of these projects, the installed nuclear capacity will reach 13480 MW. More reactors, based on both indigenous technologies and with foreign cooperation, are also planned in future.

The State-wise details of nuclear power projects under construction are as follows:

State Location Project Capacity(MW)
Gujarat Kakrapar KAPP-3&4 2 x 700
Rajasthan Rawatbhata RAPP-7&8 2 x 700
Tamil Nadu Kudankulam KKNPP-3&4 2 x 1000
Haryana Gorakhpur GHAVP 1&2 2 x 700
Tamil Nadu Kalpakkam PFBR 1 x 500

Total Capacity 6700 MW

(b)The state-wise details of nuclear power projects that are expected to be completed by the year-2022 are as follows:

State Location Project Capacity (MW)
Gujarat Kakrapar KAPP-3&4 2 x 700
Rajasthan Rawatbhata RAPP-7&8 2 x 700
Tamil Nadu Kalpakkam PFBR 1 x 500

Total Capacity 3300 MW

(c)The Government has recently accorded administrative approval and financial sanction for setting up 10 indigenous Pressurized Heavy Water Reactors (PHWR) of 700 MW capacity each and Kudankulam Units-5&6 (2 x 1000 MW) with Russian cooperation. This would result in manufacturing orders in a big scale to the domestic industry, which will help create efficiency in their operation.
****